植 物 分 类 学 报 22 (2): 148—150 (1984)
Acta Phytotaxonomica Sinica

中国沙拐枣属新植物*

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FOUR NEW SPECIES OF CALLIGONUM IN CHINA

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Key words *Calligonum jeminaicum, C. trifarium, C. yengisaricum, C. korlaense*
关键词 吉木乃沙拐枣，三列沙拐枣，英吉莎沙拐枣，库尔勒沙拐枣

本文报道蓼科沙拐枣属刺果组 Sect. *Medusae* Sosk. et Alexand. 的 4 个新种。

1. 吉木乃沙拐枣 新种 图 1

Calligonum jeminaicum Z. M. Mao, sp. nov.

Frutex parvus 50 cm altus, a basi ramosus. Calyx fructifer reflexus. Fructus 10—12 mm longus, fere orbicularis; achaenium oblongo-ovatum apicem versus attenuatum, 8—10 mm longum, leviter tortum; costis non prominentibus, sulcis non profundis; setae biseriatae, tenuissimae, luteae, basin versus non latae, liberae, in parte infertore 2—3 bifurcatae.

Species affinis *C. pellucido* N. Pavl. et *C. mongolico* Turcz., a priore setis basi non dilatatis, liberis, calycibus reflexis; a postriore costis non prominulis et sulcis non profundis; setis basi non dilatatis, liberis differt.

Xinjiang: Jeminay (吉木乃) Southern 45 Km, desert, 12 V11 1979, Mao Zu-mei (毛祖美) 211 (Typus, XJBI; Isotypus, PE); Jeminay, 12 V11 1979, Mao Zu-mei 216; Jeminay, 12 V11 1979, Mao Zu-mei 219。

本种和 *C. pellucidum* N. Pavl. 及 *C. mongolicum* Turcz. 相近。与前者的区别是本种的刺基部不扩大，分离；花被反折。与后者区别，本种在于果肋不突出，糟也不深；刺的基部不扩大，分离。

2. 三列沙拐枣 新种 图 2

Calligonum trifarium Z. M. Mao, sp. nov.

Frutex 30—80 cm altus. Fructus late ovoideus, 10—21 mm longus; achaenium tortum, oblongo-ovoideum, costis non prominentibus, sulcis non profundis; setae densae et firmae, in costa triseriales vel biseriales, basi non dilatatae, liberae, ad medium longitudinis sui bis dichotome vel trichotome ramosae.

Species affinis *C. ebi-nurico* Ivanova ex Sosk., sed setis triserialibus vel biserialibus, densis et firmis differt.

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* 本文承李安仁先生审阅、修改，姚军同志绘图，特此致谢。

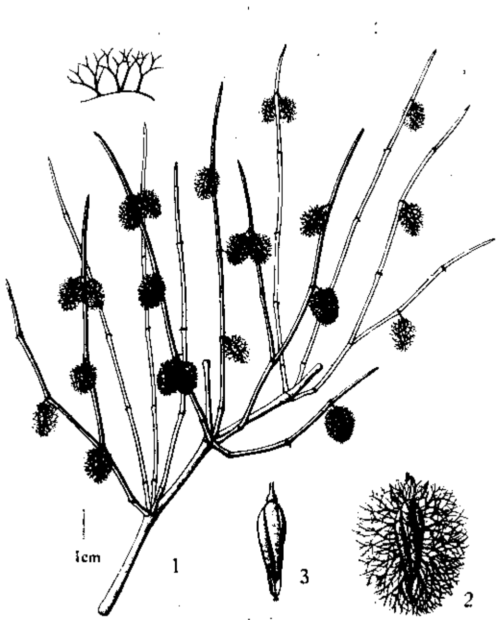


图 1　吉木乃沙拐枣 *Calligonum jeminaicum* Z. M. Mao　1.果枝 Fruiting branch;　2.果实 Fruit;　3.瘦果 Achene; 4.果刺 Fruit spine。

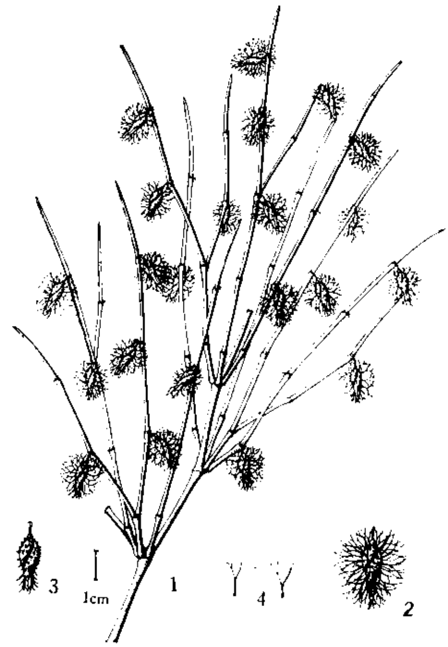


图 2　三列沙拐枣 *C. trifarium* Z. M. Mao　1.果枝 Fruiting branch; 2.果实 Fruit; 3.瘦果 Achene; 4.果刺 Fruit spine。

Xinjiang: Jinghe (精河), rocky desert, 18 V1 1978, Mao Zu-mei (毛祖美) 4 (Typus, XJBI); Jinghe, between Jinghe and Wutai (五台), desert, alt. 520m., 2 V11 1965, Xu Wen-you et al. (徐文友等) 0027; Jinghe Shachuan Ze (沙泉子), alt. 500m, 27 V1 1960, Liu Kue-jun (刘国钧) 00444。

本种与 *C. ebi-nuricum* Lvanova ex Sosk. 接近，区别在于本种果肋 3 行或 2 行刺，刺稠密且硬。

3. 英吉莎沙拐枣　新种　图 3

Calligonum yengisaricum Z. M. Mao, sp. nov.

Frutex parvus 30—50 cm altus; cortex ramorum juveniorum luteus vetustate cinereus. Calyx fructifer reflexus. Fructus ovalis, 7—9 mm longus; achaenium ovale, tortum, costis prominulis, sulcis profundis; setae rarae et firmae in costa eadem uniseriales, basi latiores sed liberae, ad medium longitudinis sui bis dichotome vel trichotome ramosae, ramuli terminales breves acutique.

Species similis *C. roborovskii* A. Los., sed setis uniseriatis differt.

Xinjiang; Yingisar (英吉沙), between Yingisar and Shache (莎车), Gobi, alt. 1400 m., 26 V1 1974, Xizang Exped. of North-western plateau Institute of Biology, Academia Sinica (中国科学院西北高原生物研究所，西藏考察队) 3308; (Typus, XJBI); Yingisar southern 60 Km., rocky alluvial fan, alt. 1380m., 12 V11 1959, Li An-jen and Zhu Ja-nan (李安仁、朱家柟) 9848; Yecheng (叶城县) Luohe (洛河), Gobi, alt. 1450 m, 26 V1 1974, Xizang Exped. of North-western plateau Institute of Biology, Academia Sinica



图 3 英吉莎沙拐枣 *C. yengisaricum* Z. M. Mao 1.果枝 Fruiting branch; 2.果实 Fruit; 3.瘦果 Achene; 4.果刺 Fruit spine。

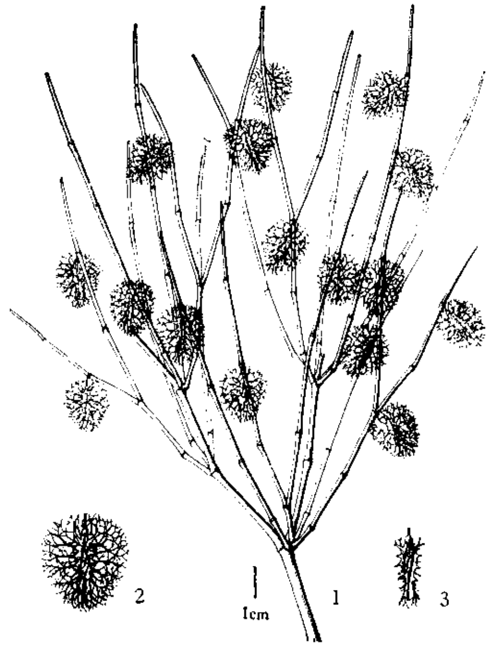


图 4 库尔勒沙拐枣 *C. korlaense* Z. M. Mao 1.果枝 Fruiting branch; 2.果实 Fruit; 3.瘦果 Achene。

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本种与 *C. roborovskii* A. Los. 相近,本种以果肋具 1 行刺可以区别。

4. 库尔勒沙拐枣 新种 图 4

Calligonum korlaense Z. M. Mao, sp. nov.

Frutex, ramis longis, cortice albido. Calyx fructifer reflexus. Fructus late ovoideus, 16—18 mm longus; achaenium tortum, costae valde prominentes acutae. sulcis profundis; setae rarae, nucis latitudinem parum superantes, secus medium costarum in vallo prominulo uniseriales liberae, basin versus parum latiores, sui ter bi- vel trifurcati, ramuli terminales breves.

Species affinis *C. ferganensi* N. Pavl., sed setis uniseriatis differt.

Xinjiang: Korla (库尔勒), 20 V 1979, Mao Zu-mei (毛祖美) 32 (Typus, XJBI); between Luntai (轮台) and Korla, the lower alluvial fan, alt. 900m., 30 V111 1958, Li An-jen and Zhu Jia-nan (李安仁、朱家楠) 8120。

本种与 *C. ferganense* N. Pavl. 相近,区别在于本种的果肋具 1 行刺。